INTERNET FOR THE FUTURE. THE MEDIUM TERM EUROPEAN CHALLENGE

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es.INTERNET

Plataforma Tecnológica de Convergencia hacia Internet del Futuro

We need to push a radical transformation of society through ICT

What is internet now?

- A mean to access information
- Social meeting place

Internet. Instrument of change

- We need to extend the benefits of ICT to society
- Web for fun to web to productivity

We need

- New, more useful applications
- A (r)evolution in Internet

It will be performed bringing ICT closer to the citizens

The new Internet	• The objective is to bring greater value to citizens • Investing where the needs are
We have to focus to the people	• connected "anytime, anywhere and with any device" • enhance his quality of life applied in many aspects
We believe in a decentralized	• International • National • Regional

The Spanish response to the Challenge

A holistic view on Future Internet was necessary

Future Internet is conceived as the future telecommunication network meaning by network, infrastructures, contents, services, things and having the user as its centre.

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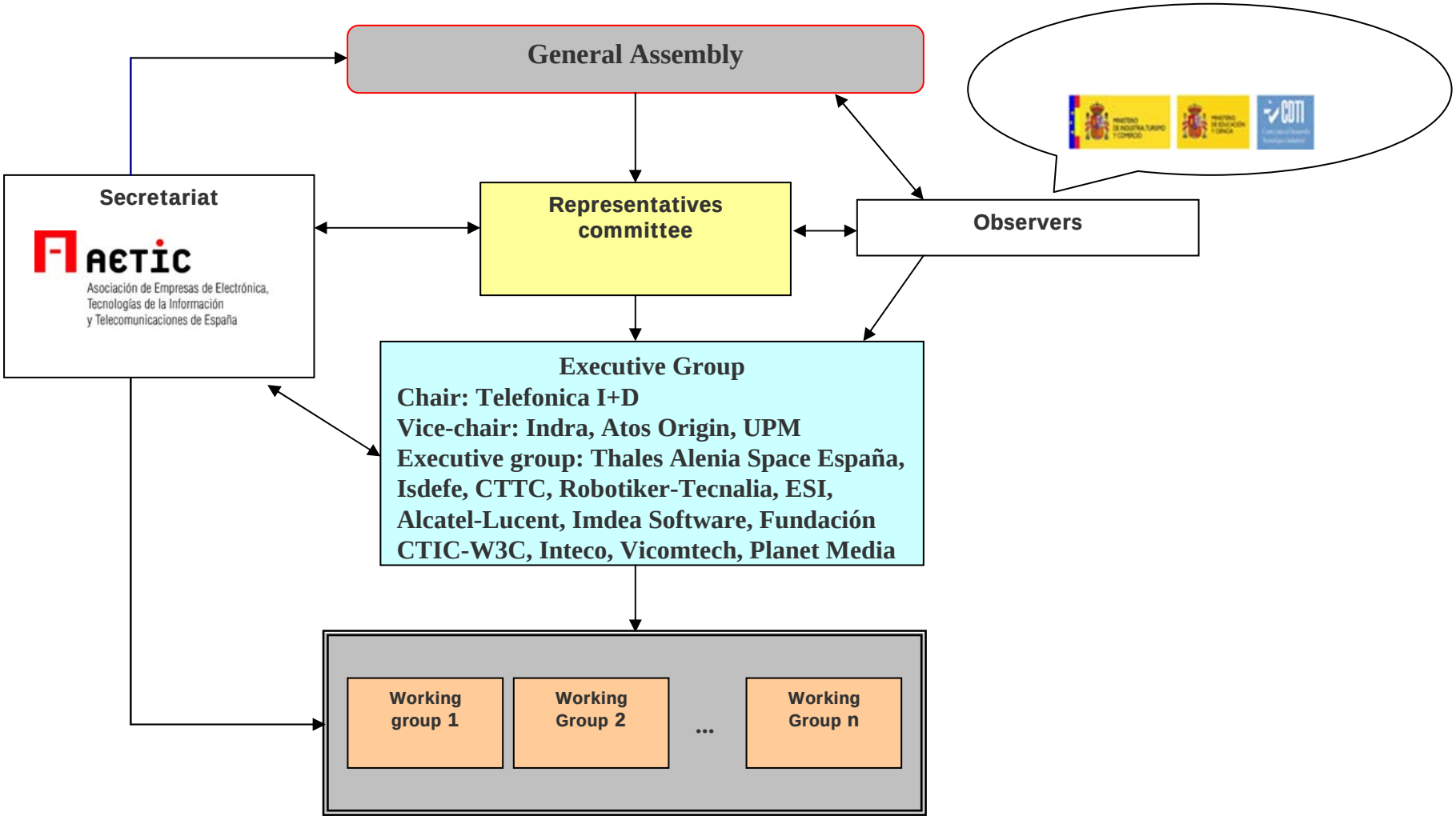
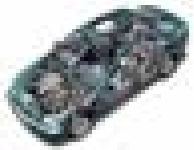


Our vision

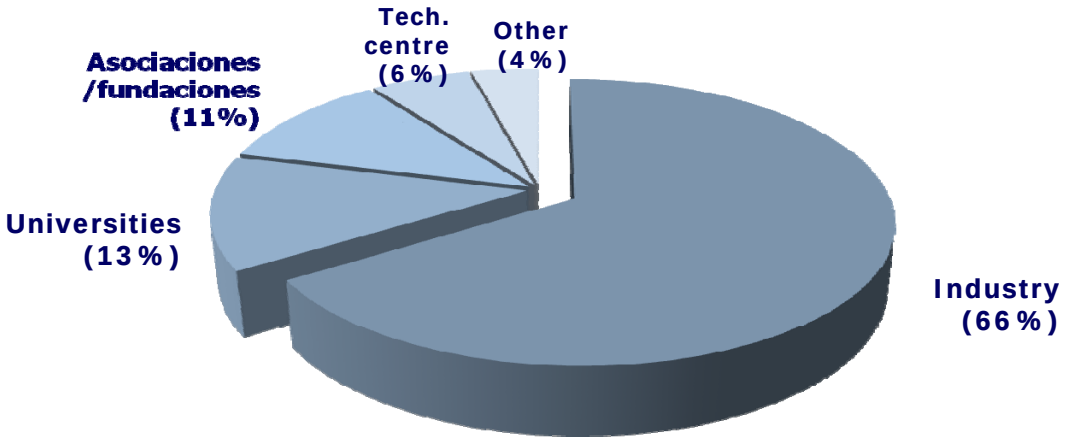
The long term aim will be that people can be connected “anytime, anywhere and with any device” what must contribute to enhance his/her quality of life applied in many aspects

- Life at Home.
- E-Entertainment and leisure.
- Transport and tourism.
- Digital Enterprise.
- New relations among citizen and public administration.
- Ambient Assisting Living, e-Health and e-Inclusion.
- Social Networks.
- Security.



Some figures about the platform

More than 300 members (66% industrial actors)



Industry is leading

Very active platform

+70 R&D project proposals were promoted during 2009

2 General assemblies and 7 Steering Council meetings during 2009

Tractors and passengers are motivated

Some figures about the platform

Clear orientation towards potential users and strategic markets

Meetings already organized with …

Tourism association
Automotive technology platform
Maritime transportation technology platform
eHealth and Ambient assisting living technology Platform
Security technology platform

Further cooperation will be explored with other potential user sectors

Energy
Education
Construction

Our objectives

Ensuring coherence of action and **avoid fragmentation** of efforts

- economies of scale to have a sound competitive position

Promoting the **collaboration between industry and academia**

- ensuring better planning, with special focus on SMEs, who could benefit of the "tractor" effect

Guaranteeing continued funding from the public administration

- allow a long-term investment in R+D+i reducing the associated risks.

Raising awareness of the importance of the development of Internet

- showing the applicability of the net in many social services which might greatly enhance their quality of life.

Improving the **regulatory framework**,

Ensuring interoperability of systems, terminals and networks

- facilitating the standardization work.

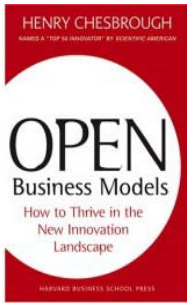
Promoting internationalization of Spanish industry

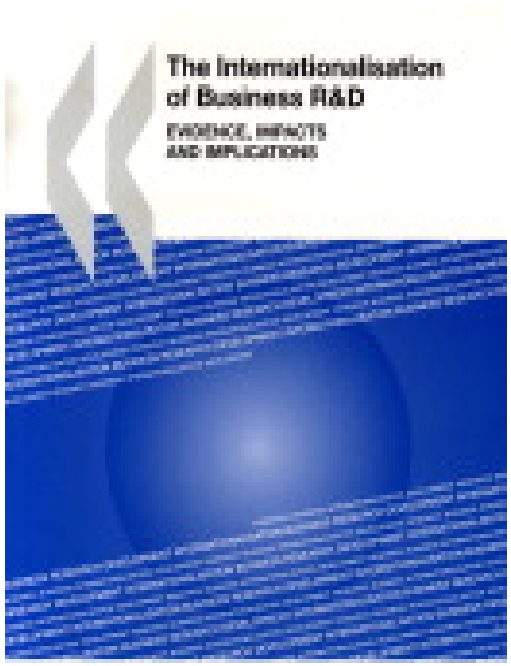
- participation in international R&D programmes.

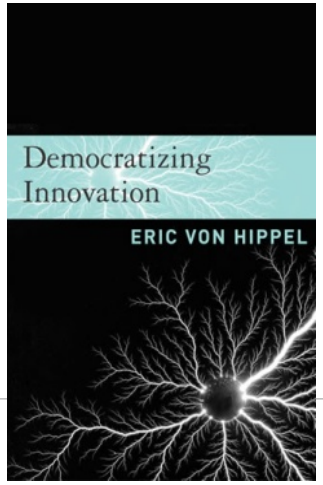
How to do it?.

We should avoid the risk of relying on unconnected initiatives

This is an OPEN platform







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The es.INTERNET platform. Our goals, trying to avoid dispersion of initiatives

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Our goals

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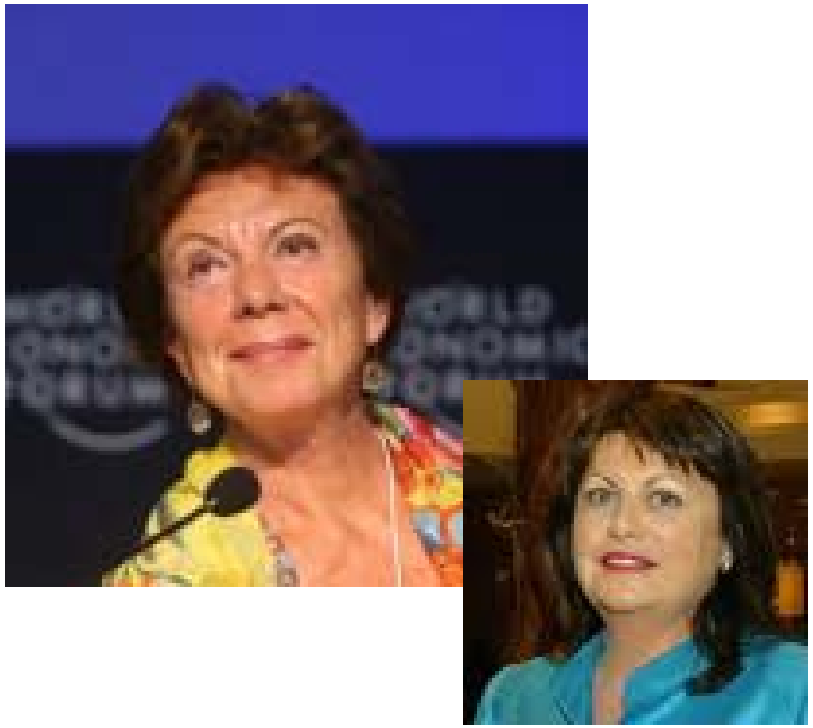
First objective: the Strategy

Promote projects: Traction effect

Collaborate with the administration



Technological Vigilance

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Most important: Being close to the market

An objective but not THE objective: Participate in the VII/VIII FP

Involving partners…

- **ICT Industry is leading, but we are involving others**
  - Public stakeholders and actors in sectors such as healthcare, mobility, environment and energy management
  - Research centers
  - End users, defining requirements and validating solutions
  - Third parties (e.g. SME) exploring the platform to build new services and applications

We must go beyond the collaboration in ETP !!

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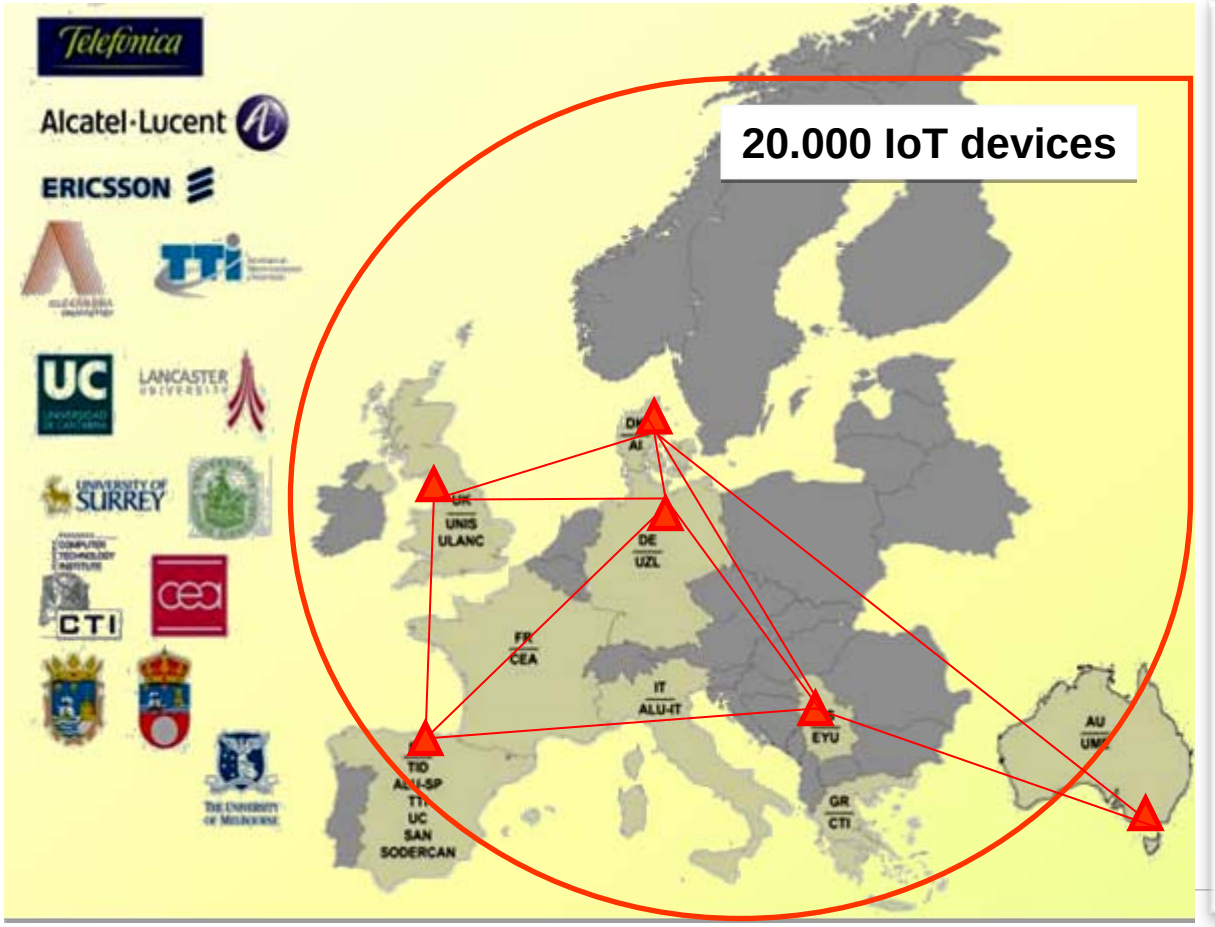
But also involving people !!

- Demonstrations will be carried out in a number a selected locations
- Smart city as the paradigm…

Smart Santander

Smart Santander aims at providing a European experimental test facility for the research and experimentation of architectures, key enabling technologies, services and applications for the Internet of Things (IoT) in the context of the smart city.



Smart Santander Highlights

- **Targeting:**
  - Researchers
  - End users
  - Service providers
- **Duration**
  36 months
- **Consortium**
  15 Organisations
  8 EU countries + AU

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SmartMobility@BasqueCountry

- A region-wide, coordinated partnership to stimulate innovations for the benefit of citizens, enterprises and administrations with a large-scale platform for a safer, more efficient, greener and designed-for-all smart mobility, based on advanced communication infrastructures and concepts, bringing together the cross competence of related sectors.

- The **main objectives** of the SmartMobility@BasqueCountry Initiative are:
  1) Increase the effectiveness of open innovation initiatives around the SmartMobility concept
  2) Put a long-term research target in the agenda of key stakeholders
  3) Maximizing the societal impact with demonstration in a period of 6 years

- Final goals:
  - 15% - 20% reduction of carbon emission
  - 15% - 20% reduction of congestion cost
  - 15% - 20% reduction of accidents
  - 15% - 20% reduction of transportation time

- **Implementation plan:**
  - **6 years, 150 m€**
  - **Open ecosystem of more than 60 stakeholders**
  - **Flexibility, Large-scale / disruptive concepts, R&D / Living Labs / Trials and demonstrators**

Smart Barcelona

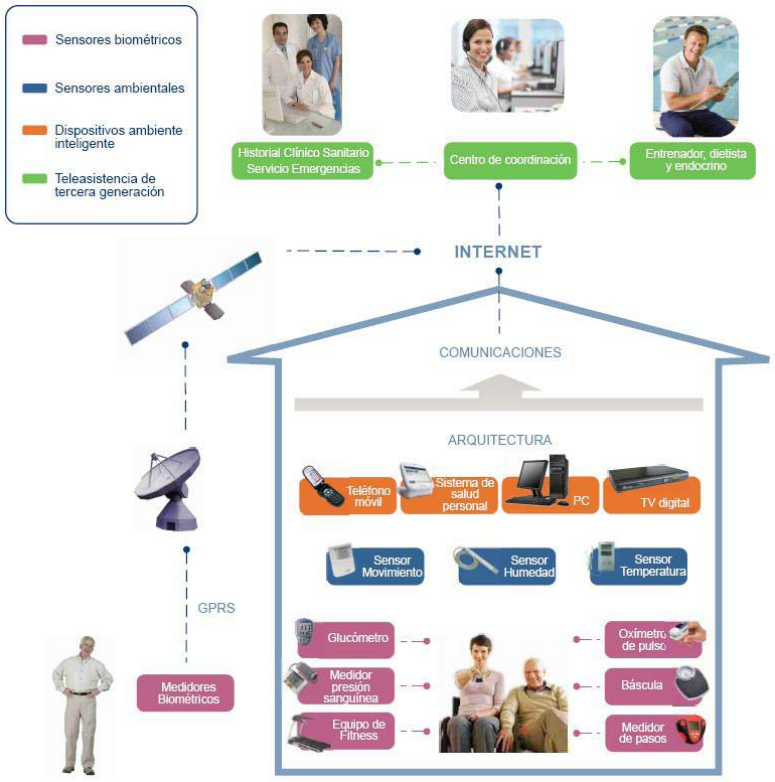
- Contacts with Barcelona municipality in order to define Barcelona participation in smart cities
- Workshop in TID BCN with Municipality (TBD)
- Telefónica user behavior study during next months
- Shared Bicycling as a Sensor Human Behavior

Accessing film content on the move

- Equip tourists, citizens and professionals with a media rich platform that not only stores information for easy access, but also enables them to generate their own content, through a handheld viewing device combined with binoculars enabled with mixed reality technologies

Personal and personalized health systems

- ICT based solutions integrating smart biosensors and medical devices, platforms and services enabling remote personalized patient's treatment and patient's involvement in their own follow-up, especially for chronic patients (e.g. diabetes, HTA, mental disorders, etc), monitoring and follow-up, tele-rehabilitation, etc.



Where we are: http://www.idi.aetic.es/esInternet/